

ASTECC

DD-8™

Directional Drill



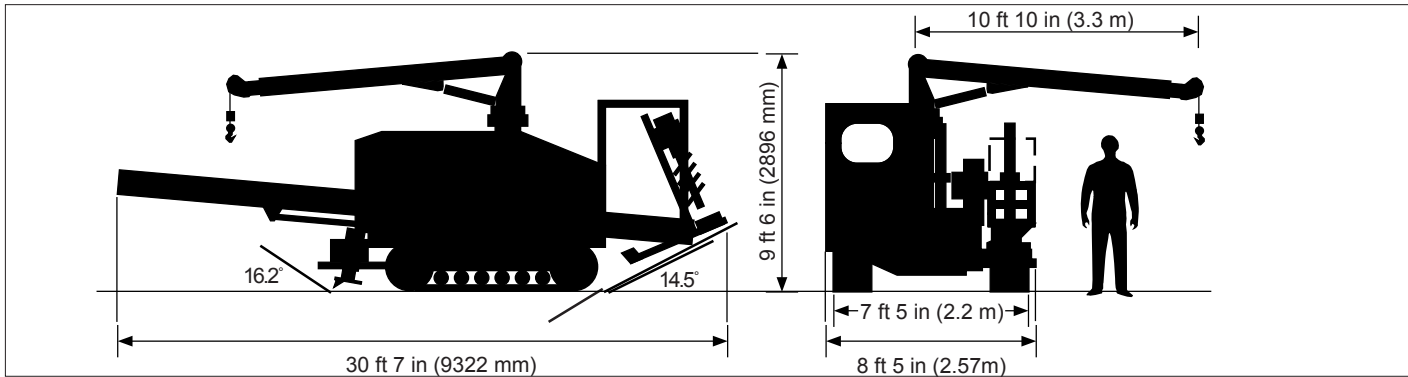
Picture shows optional equipment

Power, Durability and Reliability in an easy-to-use package!

- **230 hp Powertrain**
- **80,000 lbs. Thrust/Pullback**
- **13,600 ft-lbs. Rotary Torque**
- **Variable entry-angle capability**
- **200 gpm onboard mud pump**
- **Onboard Crane available**
- **Quiet-Pak™ sound reduction**
- **River Rig Pedigree®**

The Astec DD-8™ Directional Drill is manufactured by the world's most experienced builder of directional drills. With a 230 hp (171 kW) Cummins® diesel engine, the DD-8 can handle the toughest jobsites. The full 2" (50 mm) fluid course permits high volume mud flows, a necessity for mud motor and larger reamer operation, and its high rotary torque provides ample power to spin reamers through the longest bores. Its compact footprint allows easy access to many urban, suburban and other hard to reach jobsites. The DD-8 design features have been proven on some of the toughest trenchless jobs all over the world. The DD-8 from Astec Underground...Tomorrow's Underground Construction Solutions...TODAY!

DD-8 Directional Drill



Engine

Engine	Cummins® QSB 5.9L Diesel
Rating	230 hp (171 kW) gross
Fuel capacity	67 U.S. gallons (254 L)
Hydraulic Capacity	107 U.S. gallons (405L)
Drive System	Funk 56000 (Three-pump) drive
Other Features:	Quiet-Pak® Sound reduction system is standard.

Rotary Drive

Rotary system	Pinion and gear drive Infinitely variable torque
Rotary (high torque)	13,600 ft-lb(18,300 Nm) @ 0 - 56 rpm
Rotary (medium torque)	10,250 ft-lb(13,900 Nm) @ 0 - 75 rpm
Rotary (low torque)	6,750 ft-lb(9,220 Nm) @ 0-125 rpm
Max. rotary speed	125 rpm
Fluid course	2" (50 mm)
Mud flow capacity	Up to 250 U.S. gal/minute(945 L/min)
Other features	Rear mounted mud swivel,drive brake, floating carriage, digital tachometer, wireline commutator, adjustable torque limiter

Carriage Drive

Max. thrust/pullback	80,000 lb (36.2 Tonnes)
Carriage system	Rack and pinion, six-pinion drive with adjustable force limiter
High carriage speed	54 ft/min (16.5 m/min)
Low carriage speed	25 ft/min (7.6 m/min)

Pipe Loader (optional)

Mechanical, holds 9 pcs of pipe onboard, 135 feet (41.2 m). Additional pipe baskets each hold 9 pcs. Total pipe capacity on drill is 270 ft (82.4 m)

Drilling Unit

Travel system	Self propelled on rubber tracks. Optional rubberized steel tracks available.
Flat Surface Speed	2.0- 3.25 mph (3.2 - 5.2 km/h)
Drill angle	11° - 18°
Wrench/clamp	Open top, Pipe Hog™ type
Weight, drill unit	Approx. 31,000 lb (14,061 kg) without pipe Approx. 36,000 lb (16,329 kg) with 18 pieces of pipe
Hold down system	Powered hydraulic augers in foot. Rear thrust stabillizers resist rearward movement of drill when pushing. H-beam stakes also available.

Drilling Fluid Pump

Onboard Mud Pump Output	Triplex pump with liner wash 0 - 200 GPM (757 L/min)@1100 psi (75.8 Bar), Infinitely variable
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On Board Crane (optional)

6,000 lb (2,722 kg) rated capacity. Wired remote control pendant. Boom extends hydraulically. Winch and slewing drive: high torque hydraulic motors. Anti-two block device. Wire-less radio remote control unit available.

Drill pipe (optional)

Length	15 ft (4,572 mm)
Outside dia. (tube)	3- ¹ / ₂ inch (89 mm)
Water course	1- ³ / ₄ inch (44 mm)
Tool joint O.D.	4- ¹ / ₈ inch (105 mm)
Thread type	2- ⁷ / ₈ IF pin x box

Protective Equipment

Each drill comes with safety mats and electrical grounding rods. A Zap-Alert system is standard equipment. Emergency shut down switch at driller's console. The **ESILOK**® exit-side lockout system is standard equipment.